

Active Recombinant Human SPAM1 / PH20 / Hyaluronidase protein, Tag Free

Cat. No. SPAM1-P1004H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human SPAM1 / PH20 / Hyaluronidase protein was expressed in CHO.
Species	Human
Source	CHO
Form	Liquid in sterile 20mM PB, 300mM NaCl, 0.1mM EDTA, 0.1mM CaCl ₂ , pH6.8.
Bio-activity	The activity of Human Hyaluronidase is measured by its ability to hydrolyze HA in turbidimetric assay. The specific activity is 53,200 IU/mg. (Unit definition: One unit will cause a change in A600nm of 0.330 per minute at pH 5.7 at 37 °C.)
Molecular Mass	The protein has a calculated MW of 51 kDa. The protein migrates as 60 kDa under reducing condition (SDS-PAGE) due to glycosylation.
AA Sequence	LNFRAPPVIPNPFLWAWNAPSEFCLGKFDEPLDMSLFSFIGSPRINATGQGVTIFYV DRLGYYPYIDSITGVTVNGGIPQKISLQDHLDAKKDITFYMPVDNLGMAVIDWEEWR PTWARNWKPKDVYKNRSIELVQQNVQLSLTEATEKAKQEFKAGKDFLVETIKLG KLLRPNHLWGYYLFPDCYNHHYKKPGYNGSCFNVEIKRNDLDSWLWNESTALYPSI YLNTQQSPVAATLYVRNRVREAIRVSKIPDAKSPLPVFAYTRIVFTDQVLKFLSQDEL VYTFGETVALGASGIVIWGTLSIMRSMKSCLLLDNYMETILNPYIINVTLAAKMCSQVL CQEQGVCIRKNWNSSDYHLNPDNFAIQLEKGGKFTVRGKPTLEDLEQFSEKFYCS CYSTLSCKEKADVKD TDAVDVCIADGVCIDAFLKPPMETEETEEQIFY

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Endotoxin	< 0.1 EU per µg of the protein as determined by the LAL method.
Purity	> 95% as determined by SDS-PAGE. > 95% as determined by SEC-HPLC.
Storage	Store it under sterile conditions at -20 to -80 °C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.5mg/ml.

GENE INFORMATION

Gene Name	SPAM1 sperm adhesion molecule 1 (PH-20 hyaluronidase, zona pellucida binding) [Homo sapiens]
Official Symbol	SPAM1
Synonyms	SPAM1; HYA1; PH20; HYAL1; HYAL3; HYAL5; PH-20; SPAG15; MGC26532; hyaluronidase PH-20; hyal-PH20; OTTHUMP00000211901; OTTHUMP00000211902; OTTHUMP00000211952; sperm surface protein PH-20; hyaluronoglucosaminidase PH-20
Gene ID	6677
mRNA Refseq	NM_001174044
Protein Refseq	NP_001167515
MIM	600930
UniProt ID	P38567

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